Jameco Part number 161074

0PICProto4 Prototyping Board

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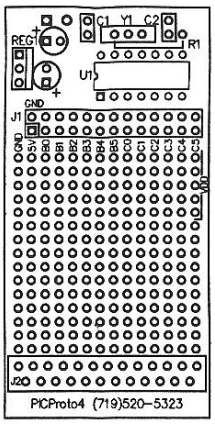
CO residents add .30 sales tax

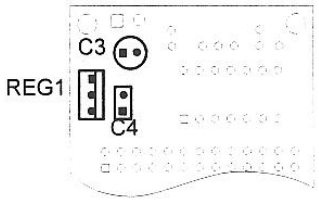
- High quality double-sided board
- Solder mask both sides
- 300 plated-through holes
- 4 mounting holes
- Overall dimensions 1.5" X 3"



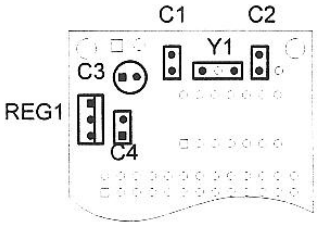
U1 - PIC16C505, 12C508, 509, 671 or 672
Y1 - crystal or ceramic resonator
C1, 2 - crystal capacitors
C3 - input capacitor
C4 - bypass capacitor
R1 - RC oscillator resistor
REG1 - 5 volt regulator
J1 - I/O connector
J2 - DB9, 15, or 25 connector

Vdd - plus 5 volt buss
GND-ground buss

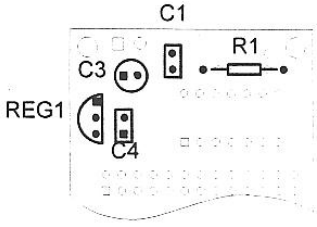
PARTS PLACEMENT:



TO-220 Regulator
REG1 = 7805T
C3 = .1 - 10 uf
C4 = .01 - .1uf



Crystal or Ceramic Resonator
Y1 = DC - 20MHZ
C1, 2 = 5 - 22pf



TO-220 Regulator
REG1 = 7805T
C3 = .1 - 10 uf
C4 = .01 - .1uf

RC Oscillator
5k ≤ R1 ≤ 100K
C1 ≥ 20pf
C2 = none

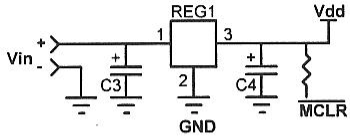
TO-92 Regulator
REG1 = 78L05
C3 = .1 - 10uf
C4 = .01 - .1uf

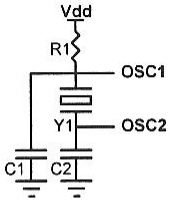
ASSEMBLY NOTES:

Pin 1 of U1 is marked with a square pad.
Line up pin 1 of 8-pin devices with square pad.

Note polarity of Vin, REG1 and any polarized apacitors.
Don't forget to pull-up Master Clear to Vdd, if enabled.
All unused inputs should be tied to Vdd or ground.

SCHEMATIC:





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